

METHOD OF RAISING TEMPERATURE OF LOW TEMPERATURE LPG AND APPARATUS THEREOF

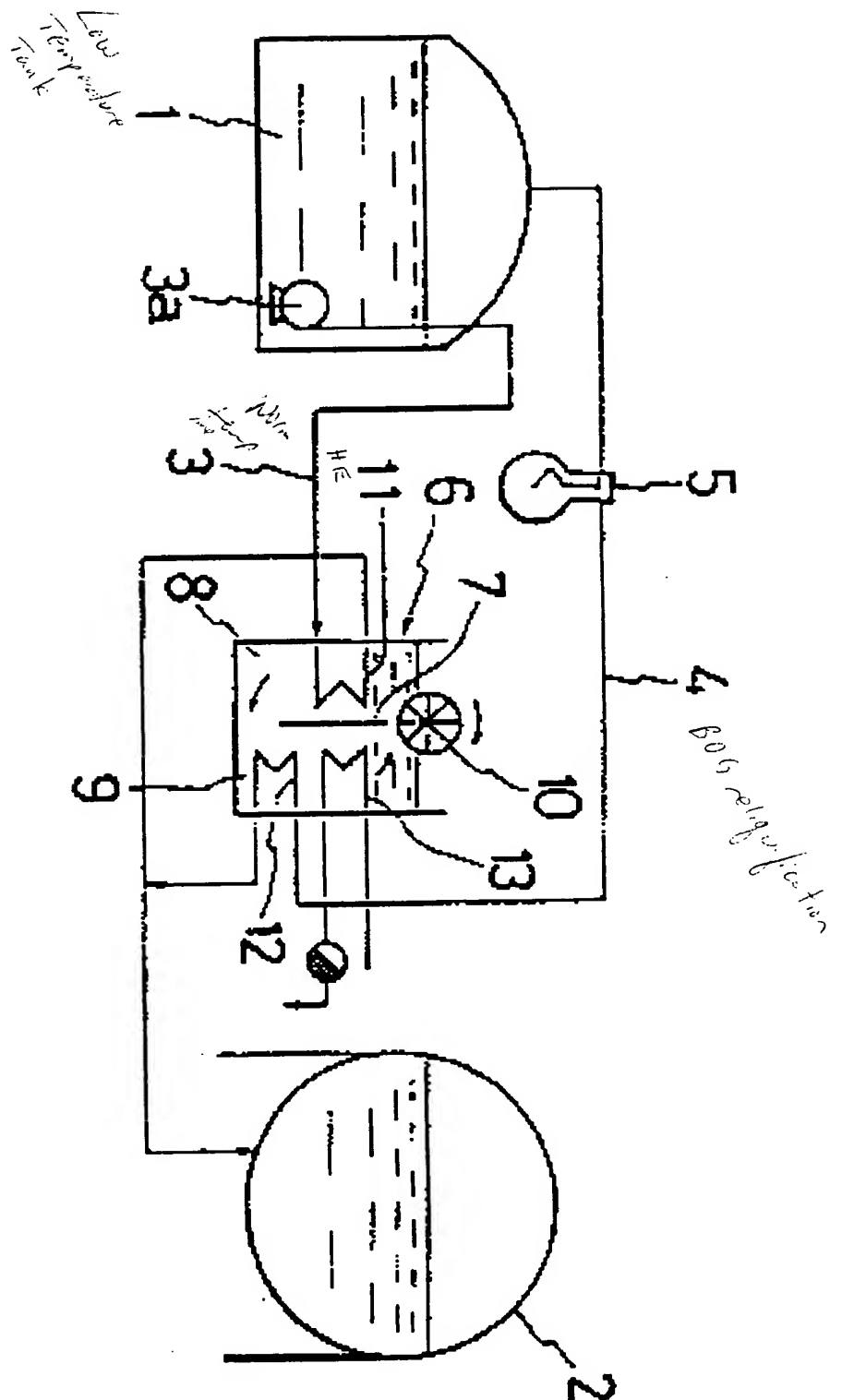
No. Publication (Sec.): JP62141398
Date de publication : 1987-06-24
Inventeur : AOKI NOBUO; others: 02
Déposant :: TOKYO GAS CO LTD
Numéro original : JP62141398
No. de depot: JP19850280539 19851213
No. de priorité :
Classification IPC : F17C13/00
Classification EC :
Brevets correspondants :

Abrégé

PURPOSE: To simplify the facilities by compressing the evaporated gas in an LPG low temperature tank and carrying out the heat exchange with the low temperature LPG, thus raising the temperature of the low temperature LPG to the normal temperature by the condensation latent heat of the evaporated gas.

CONSTITUTION: The low temperature LPG is introduced into a normal temperature LPG line 3 and reaches a heat exchanger 11, and the BOG formed in an LPG low temperature tank 1 is recovered in a BOG reliquefying line 4, and introduced into a heat exchanger 12. The condensation latent heat of BOG is liberated in the right heat exchange chamber 9 in a heat exchange tank 6, and the intermediate thermal medium which absorbs the heat circulates in a left heat exchanging chamber 9, and liberates heat in a heat exchanger 11, and heats the low temperature LPG to the normal temperature. Therefore, the need of the heating facilities for the low temperature LPG and the recooling facilities for BOG is eliminated.

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